

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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|--|---|--|
| In re Application of:                  | § |  |
| <b>KRISHNA M. RAVI, ET AL.</b>         | § | Group Art Unit: <b>1712</b>                  |
|  | § |  |
| Serial No.: <b>10/721,055</b>          | § |  |
|  | § | Examiner: <b>TIMOTHY J. KUGEL</b>            |
| Filed: <b>NOVEMBER 24, 2003</b>        | § |  |
|  | § |  |
| Title: <b>"VARIABLE DENSITY FLUIDS</b> | § |  |
| <b>AND METHODS OF USE IN</b>           | § | Atty. Docket No: <b>HES 2002-IP-008094U2</b> |
| <b>SUBTERRANEAN FORMATIONS"</b>        | § |  |
|  | § |  |

MAIL STOP AMENDMENT  
Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE UNDER 37 C.F.R. §1.111 TO**  
**NON-FINAL OFFICE ACTION MAILED OCTOBER 20, 2006**

Dear Honorable Commissioner:

In response to the Non-Final Office Action mailed on October 20, 2006 (the "Office Action"), Applicants herein provide:

- **Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper; and
- **Remarks/Argument** begins on page 8 of this paper.